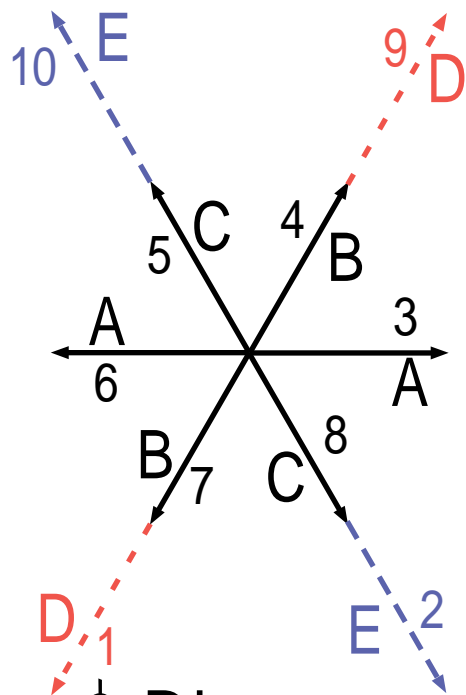


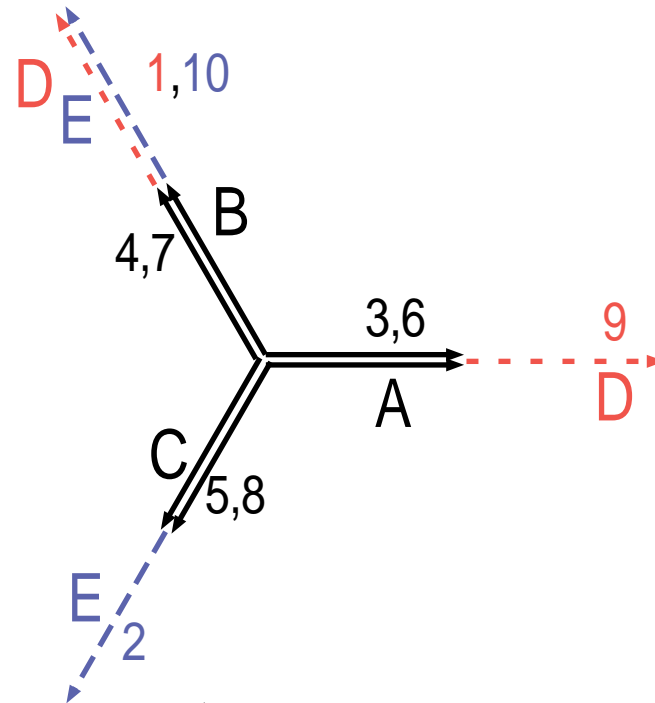
Skew Sextupole Chromaticity Correction Schemes

For central 6 skew sextupoles both first order and higher order moments cancel!



ϕ Diagram

Phase Advance = 60°



2ϕ Diagram

Phase Advance = 120°

Using all 10 skew sextupoles reduces strength needed for linear chromaticity correction but could drive resonances unless strengths are carefully adjusted.

It is possible to arrange the skew sextupoles in families to cancel both the off-energy beta-beat and its derivative (the sine-like & cosine-like terms).